

Test by: F.I.R.S.T. NCB, Inc. Lanark, IL

2019 Corn Grain Top 30 Harvest Report

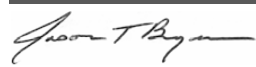
Michigan Thumb [MITH] DECKER, MI
Lyle Martin, Sanilac County, MI 48426

| | |
|-------------------------------|--|
| All-Season Test | 93 - 103 Day CRM B2019MITH83 |
| Top 30 of 45 | For Gross Income (Sorted by Yield) Average of (3) Replications |
| PREV. CROP/HERB: | Alfalfa / none |
| SOIL DESCRIPTION: | Parkhill/Conover loam, moderately drained, non- irrigated |
| SOIL CONDITION: | Conventional W/ Fall Till, high P, low K, 6.7 pH, 2.8% OM, 9.0 CEC |
| PEST MANAGEMENT: | Atrazine, Glyphosate, Force |
| FERTILITY - Applied N: | 240 Spring, 5 Planter |
| Applied N-P-K (units): | 245-150-200 |
| SEEDED - RATE - ROW: | May 16 34.5 /A 30" spacing |
| HARVESTED - STAND: | Nov 9 33.7 /A |

TEST COMMENTS:

Fairly early planting and timely rains pushed strong yields on this plot. Higher populations would likely have yielded more as ears were filled to the tip. It was standing well at harvest. Disease pressure was light with some anthracnose noted.

| Company/Brand | Product/Brand | Technol.† | RM | Yield Bu/A | Moisture % | Lodging % | Stand (x 1000) | Gross Income \$/Acre | Rank |
|----------------|-----------------|-----------|-----|--------------|------------|-----------|----------------|----------------------|------|
| RUPP | XR D97-95 | VT2P,B | 97 | 242.6 | 24.4 | 1 | 34.8 | 829 | 1 |
| RENK | RK587VT2P | VT2P,B | 97 | 234.0 | 24.2 | 1 | 33.9 | 801 | 2 |
| INTEGRA | 5280 | STX,B | 102 | 230.9 | 27.3 | 1 | 34.8 | 769 | 5 |
| RENK | RK608DGVT2P | VT2P,DG,B | 100 | 230.6 | 28.1 | 1 | 33.1 | 763 | 6 |
| RUPP | XR J94-91 | STX,B | 94 | 228.8 | 23.2 | 1 | 33.9 | 791 | 3 |
| LOCAL SEED CO | LC0297 SSX | STX | 102 | 228.3 | 27.4 | 1 | 34.8 | 760 | 7 |
| M & W SEEDS | 46P76 | VT2P,B | 97 | 226.3 | 23.1 | 1 | 33.9 | 782 | 4 |
| PIONEER | P0157AMXT GC | AMXT,AQ,B | 101 | 226.1 | 28.6 | 1 | 33.1 | 744 | 13 |
| FS INVISION | FS 53ZX1 RIB | STX,B | 103 | 224.9 | 29.1 | 1 | 33.9 | 737 | 18 |
| RENK | RK642VT2P | VT2P,B | 103 | 224.7 | 27.1 | 1 | 33.9 | 750 | 12 |
| RUPP | XR D01-90 | VT2P,B | 101 | 223.7 | 28.0 | 1 | 33.9 | 740 | 16 |
| RENK | RK593VT2P | VT2P | 96 | 222.6 | 24.8 | 1 | 34.8 | 758 | 8 |
| INTEGRA | 4782 | VT2P,B | 97 | 220.7 | 24.6 | 1 | 33.1 | 753 | 9 |
| FS INVISION | FS 51QX1 RIB | STX,B | 101 | 220.4 | 28.4 | 1 | 33.9 | 727 | 26 |
| GOLDEN HARVEST | G03R40-3110 | 3110 | 103 | 219.9 | 28.5 | 1 | 34.8 | 725 | 30 |
| FS INVISION | FS 45SV1 RIB | VT2P,B | 95 | 219.0 | 23.9 | 1 | 34.8 | 752 | 10 |
| DAIRYLAND | DS-3550AM | AM | 95 | 218.9 | 23.9 | 1 | 34.8 | 751 | 11 |
| M & W SEEDS | 45R69 | VT2P,B | 103 | 218.8 | 27.5 | 1 | 33.1 | 728 | 24 |
| FS INVISION | FS 5098X RIB | STX,B | 100 | 217.8 | 26.4 | 1 | 34.8 | 732 | 22 |
| DAIRYLAND | DS-3715AM | AM,B | 98 | 217.6 | 24.4 | 1 | 32.2 | 744 | 14 |
| M & W SEEDS | 45T56 | VT2P,B | 100 | 217.5 | 26.8 | 1 | 33.9 | 728 | 25 |
| RENK | RK579DGV2P | VT2P,DG,B | 98 | 217.1 | 25.7 | 1 | 33.1 | 734 | 20 |
| LOCAL SEED CO | ZS9598 3220EZ | 3220 | 95 | 216.7 | 24.0 | 1 | 33.9 | 743 | 15 |
| GOLDEN HARVEST | G00H12-3010 | 3010 | 100 | 216.7 | 25.6 | 1 | 35.7 | 733 | 21 |
| FS INVISION | FS 47TV1 RIB | VT2P,B | 97 | 216.1 | 24.6 | 1 | 33.0 | 738 | 17 |
| LOCAL SEED CO | ZS9796 3220EZ | 3220 | 97 | 215.0 | 24.3 | 1 | 33.1 | 736 | 19 |
| DAIRYLAND | DS-3750AM | AM | 97 | 213.5 | 24.5 | 1 | 32.2 | 729 | 23 |
| LOCAL SEED CO | LC9888 VT2PRIB | VT2P,B | 98 | 213.1 | 24.6 | 1 | 34.8 | 727 | 27 |
| INTEGRA | 4509 | VT2P,B | 95 | 211.3 | 23.8 | 1 | 32.2 | 726 | 29 |
| GOLDEN HARVEST | G95D32-3220-EZR | 3220,B | 95 | 211.1 | 23.5 | 1 | 33.9 | 727 | 28 |



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Averages = **217.3** **26.3** **1** **33.7** **730**

LSD (0.10) = 10.4 1.1 ns

LSD (0.25) = 5.4 0.6 ns

C.V. = 4.5

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70; non-GMO = \$3.75

2019 Corn - Michigan Thumb [MITH]

All-Season Test Products (45 Total)

| Company/Brand | Product/Brand | Technology | RM |
|----------------|-----------------|------------|-----|
| DAIRYLAND | DS-3519AM | AM,B | 96 |
| DAIRYLAND | DS-3550AM | AM | 95 |
| DAIRYLAND | DS-3715AM | AM,B | 98 |
| DAIRYLAND | DS-3750AM | AM | 97 |
| DAIRYLAND | DS-4018AM | AM,AQ,B | 101 |
| DAIRYLAND | DS-4019AM | AM,B | 99 |
| DAIRYLAND | DS-4310AM | AM | 103 |
| DEKALB | DKC52-68RIB GC | VT2P,B | 102 |
| FS INVISION | FS 45SV1 RIB | VT2P,B | 95 |
| FS INVISION | FS 47TV1 RIB | VT2P,B | 97 |
| FS INVISION | FS 5098X RIB | STX,B | 100 |
| FS INVISION | FS 51QX1 RIB | STX,B | 101 |
| FS INVISION | FS 53ZX1 RIB | STX,B | 103 |
| GOLDEN HARVEST | G00H12-3010 | 3010 | 100 |
| GOLDEN HARVEST | G02K39-3120-EZR | 3120,B | 102 |
| GOLDEN HARVEST | G03R40-3110 | 3110 | 103 |
| GOLDEN HARVEST | G95D32-3220-EZR | 3220,B | 95 |
| INTEGRA | 4509 | VT2P,B | 95 |
| INTEGRA | 4782 | VT2P,B | 97 |
| INTEGRA | 5081 | VT2P,DG,B | 100 |
| INTEGRA | 5280 | STX,B | 102 |
| LOCAL SEED CO | LC0057 SXXRIB | STX,B | 100 |
| LOCAL SEED CO | LC0297 SSX | STX | 102 |
| LOCAL SEED CO | LC9888 VT2PRIB | VT2P,B | 98 |
| LOCAL SEED CO | ZS0398 3110 | 3110 | 103 |
| LOCAL SEED CO | ZS9598 3220EZ | 3220 | 95 |
| LOCAL SEED CO | ZS9796 3220EZ | 3220 | 97 |
| M & W SEEDS | 45R69 | VT2P,B | 103 |
| M & W SEEDS | 45T56 | VT2P,B | 100 |
| M & W SEEDS | 46P76 | VT2P,B | 97 |
| MYCOGEN | REV 1327AMXT | AMXT,B | 103 |
| NK BRAND | NK0243-3120-EZR | 3120,B | 102 |
| NK BRAND | NK9852-3120-EZR | 3120,B | 98 |
| PIONEER | P0157AMXT GC | AMXT,AQ,B | 101 |
| PIONEER | P0339AMXT GC | AMXT,AQ,B | 103 |
| RENK | RK579DGVT2P | VT2P,DG,B | 98 |

| Company/Brand | Brand/Product | Technology | RM |
|---------------|---------------|------------|-----|
| RENK | RK587VT2P | VT2P,B | 97 |
| RENK | RK593VT2P | VT2P | 96 |
| RENK | RK604SSTX | STX,B | 102 |
| RENK | RK608DGVT2P | VT2P,DG,B | 100 |
| RENK | RK621VT2P | VT2P | 102 |
| RENK | RK642VT2P | VT2P,B | 103 |
| RUPP | XR D01-90 | VT2P,B | 101 |
| RUPP | XR D97-95 | VT2P,B | 97 |
| RUPP | XR J94-91 | STX,B | 94 |

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies*

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|--------|---|------|--|------|---|
| 3010 | Agrisure® 3010 (CB,LL,GT) | AMXT | Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2) | OI | Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2) |
| 3011,A | Agrisure® Artesian® (CB,RW,LL,GT) | AQ | Optimum® AQUAMax® | OIX | Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2) |
| 3110 | Agrisure® Viptera® 3110 (Vip, CB,LL,GT) | B | Refuge blend product | OIXT | Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2) |
| 3111 | Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT) | CB | Agrisure® Corn Borer | PC | PowerCore™ (HX, VT2P) |
| 3120 | Agrisure® 3120 (CB,HX,LL,GT) | DG | Genuity® DroughtGard® | RR2 | Roundup Ready® 2 Corn |
| 3122 | Agrisure® 3122 (CB,HXX,RW,LL,GT) | E | Enlist™ (2,4-D, glyphosate, fop herbicide tolerance) | RW | Agrisure® Rootworm |
| 3220 | Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT) | GT | Agrisure® GT | STX | SmartStax® (VT3P,HXT,RR2,LL) |
| 3330 | Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT) | HX | Herculex® 1, contains LL | TRE | Genuity® Trecepta™ |
| A | Agrisure® Artesian® | HXRW | Herculex® Rootworm, contains LL | VT2P | Genuity® VT Double PRO® |
| AM | Optimum® AcreMax® (YGCB,HX,LL,RR2) | HXT | Herculex® Xtra (HX,HXRW,LL) | VT3P | Genuity® VT Triple PRO® |
| AMT | Optimum® AcreMax®TRIssect (HX,RW,LL,RR2) | LL | LibertyLink® | YGCB | YieldGard® Corn Borer |
| AMX | Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2) | None | conventional corn | | |

* The refuge component genetics may vary in a refuge blend seed product.